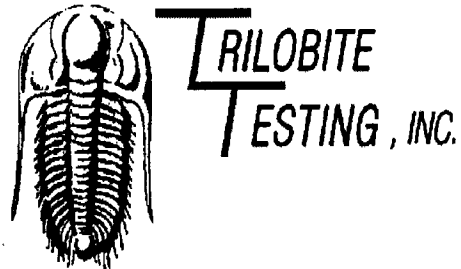


15-039-20944

15-5s-29w



DRILL STEM TEST REPORT

Prepared For: **Rons Oil Operations**

1889 200th Ave
Penokee Ks 67659

ATTN: Ron Nickelson

15-5-29-Decatur-Ks

Vahn # 15-1

Start Date: 2005.10.23 @ 17:11:35

End Date: 2005.10.23 @ 23:30:05

Job Ticket #: 23420 DST #: 1

15-039-20944-00-00

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Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Rons Oil Operations

1889 200th Ave
Penokee Ks 67659

ATTN: Ron Nickelson

Vahn # 15-1

15-5-29-Decatur-Ks

Job Ticket: 23420

DST#: 1

Test Start: 2005.10.23 @ 17:11:35

GENERAL INFORMATION:

Formation: C-D LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:54:35

Time Test Ended: 23:30:05

Interval: 3872.00 ft (KB) To 3915.00 ft (KB) (TVD)

Total Depth: 3915.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Reference Elevations: 2752.00 ft (KB)

2747.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6672

Inside

Press@RunDepth: 252.35 psig @ 3873.00 ft (KB)

Start Date: 2005.10.23

End Date:

2005.10.23

Start Time: 17:11:36

End Time:

23:30:05

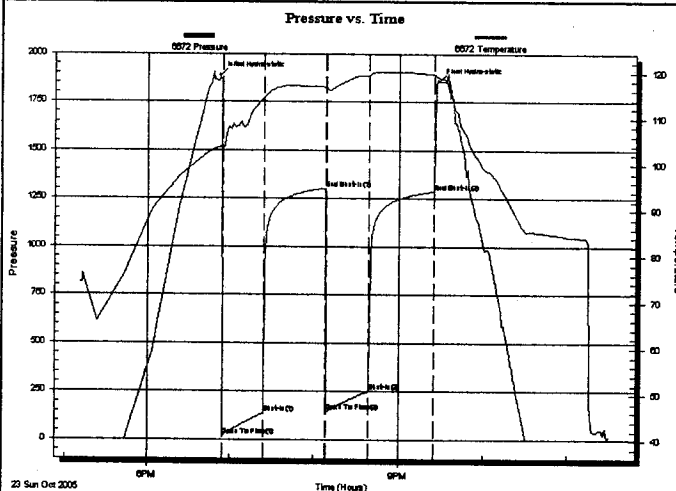
Capacity: 7000.00 psig

Last Calib.: 2005.10.23

Time On Btm: 2005.10.23 @ 18:52:05

Time Off Btm: 2005.10.23 @ 21:27:35

TEST COMMENT: F-Strong B-B in 13 min
FF-Strong B-B in 16 min
Times-30-45-30-45



PRESSURE SUMMARY

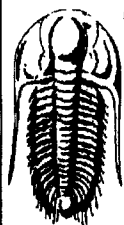
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1887.13	103.81	Initial Hydro-static
3	20.90	103.44	Open To Flow (1)
32	137.65	114.33	Shut-In(1)
76	1303.23	116.88	End Shut-In(1)
77	145.97	116.52	Open To Flow (2)
107	252.35	119.35	Shut-In(2)
153	1287.69	119.60	End Shut-In(2)
156	1856.59	118.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
495.00	Wtr Rw .13 @ 79 = 68000ppm	6.94
30.00	DM	0.42

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Rons Oil Operations

Vahn # 15-1

1889 200th Ave
Penokee Ks 67659

15-5-29-Decatur-Ks

Job Ticket: 23420

DST#: 1

ATTN: Ron Nickelson

Test Start: 2005.10.23 @ 17:11:35

Tool Information

Drill Pipe:	Length:	3878.00 ft	Diameter:	3.80 inches	Volume:	54.40 bbl	Tool Weight:	2000.00 lb	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	45000.00 lb	
					Total Volume:	54.40 bbl	Tool Chased	0.00 ft	
Drill Pipe Above KB:	27.00 ft							String Weight: Initial	39000.00 lb
Depth to Top Packer:	3872.00 ft							Final	42000.00 lb
Depth to Bottom Packer:	ft								
Interval between Packers:	43.00 ft								
Tool Length:	64.00 ft								
Number of Packers:	2	Diameter:	6.75 inches						
Tool Comments:									

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3852.00	
Shut In Tool	5.00			3857.00	
Hydraulic tool	5.00			3862.00	
Packer	5.00			3867.00	21.00 Bottom Of Top Packer
Packer	5.00			3872.00	
Stubb	1.00			3873.00	
Recorder	0.00	6672	Inside	3873.00	
Perforations	39.00			3912.00	
Recorder	0.00	13254	Outside	3912.00	
Bullnose	3.00			3915.00	43.00 Bottom Packers & Anchor
Total Tool Length:	64.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Rons Oil Operations

Vahn # 15-1

1889 200th Ave
Penokee Ks 67659

15-5-29-Decatur-Ks

Job Ticket: 23420

DST#: 1

ATTN: Ron Nickelson

Test Start: 2005.10.23 @ 17:11:35

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

68000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
495.00	Wtr Rw .13 @ 79 = 68000ppm	6.944
30.00	DM	0.421

Total Length: 525.00 ft

Total Volume: 7.365 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

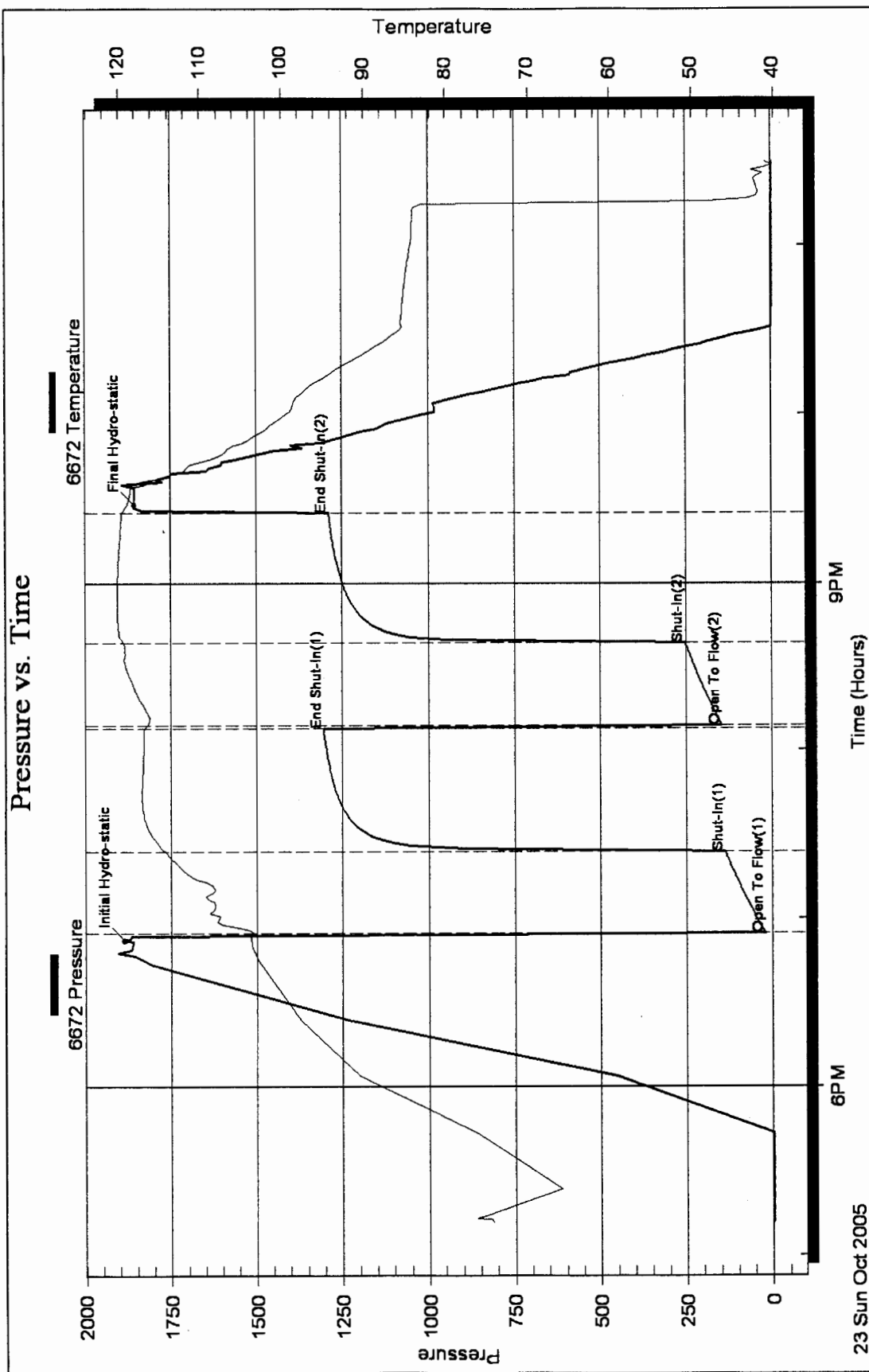
Serial #:

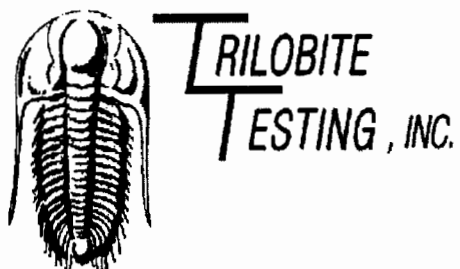
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Rons Oil Operations**

1889 200th Ave
Penokee Ks 67659

ATTN: Ron Nickelson

15-5-29-Decatur-Ks

Vahn # 15-1

Start Date: 2005.10.24 @ 08:16:52

End Date: 2005.10.24 @ 14:05:22

Job Ticket #: 23421 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Rons Oil Operations

1889 200th Ave
Penokee Ks 67659

ATTN: Ron Nickelson

Vahn # 15-1

15-5-29-Decatur-Ks

Job Ticket: 23421

DST#: 2

Test Start: 2005.10.24 @ 08:16:52

GENERAL INFORMATION:

Formation: **E-F LKC**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 10:21:52

Time Test Ended: 14:05:22

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **21**

Interval: **3915.00 ft (KB) To 3940.00 ft (KB) (TVD)**

Total Depth: **3940.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2752.00 ft (KB)**

2747.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6672

Inside

Press@RunDepth: **20.50 psig @ 3916.00 ft (KB)**

Start Date: **2005.10.24**

End Date:

2005.10.24

Capacity: **7000.00 psig**

Last Calib.: **2005.10.24**

Start Time: **08:16:53**

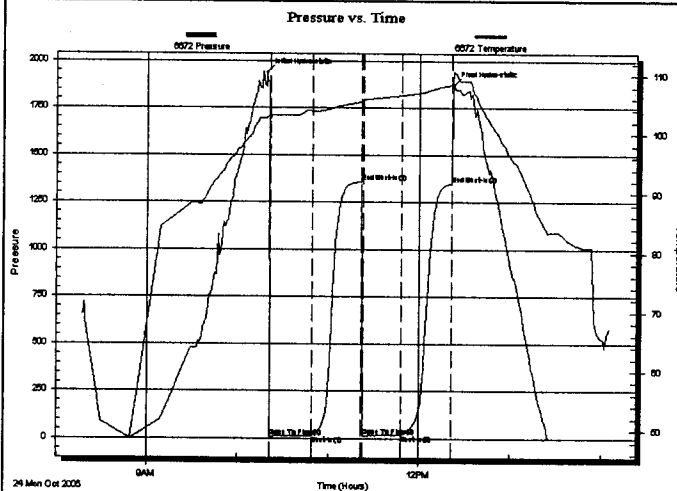
End Time:

14:05:22

Time On Btm: **2005.10.24 @ 10:19:22**

Time Off Btm: **2005.10.24 @ 12:22:52**

TEST COMMENT: **F-Weak steady surface blow**
FF-Weak steady surface blow
Times-30-30-30-30



PRESSURE SUMMARY

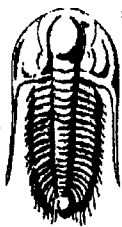
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1936.81	103.04	Initial Hydro-static
3	10.79	102.66	Open To Flow (1)
30	16.83	103.88	Shut-In(1)
63	1359.61	105.54	End Shut-In(1)
64	16.15	105.63	Open To Flow (2)
89	20.50	106.62	Shut-In(2)
122	1350.45	108.39	End Shut-In(2)
124	1871.68	110.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	MCO 30%o 70%rn	0.14

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Rons Oil Operations

Vahn # 15-1

1889 200th Ave
Penokee Ks 67659

15-5-29-Decatur-Ks

Job Ticket: 23421

DST#: 2

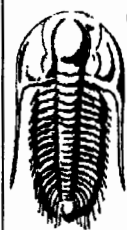
ATTN: Ron Nickelson

Test Start: 2005.10.24 @ 08:16:52

Tool Information

Drill Pipe:	Length:	3910.00 ft	Diameter:	3.80 inches	Volume:	54.85 bbl	Tool Weight:	1100.00 lb	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	45000.00 lb	
						Total Volume:	54.85 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft							String Weight: Initial	40000.00 lb
Depth to Top Packer:	3915.00 ft							Final	40000.00 lb
Depth to Bottom Packer:	ft								
Interval between Packers:	25.00 ft								
Tool Length:	46.00 ft								
Number of Packers:	2	Diameter:	6.75 inches						
Tool Comments:									

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3895.00	
Shut In Tool	5.00			3900.00	
Hydraulic tool	5.00			3905.00	
Packer	5.00			3910.00	21.00 Bottom Of Top Packer
Packer	5.00			3915.00	
Stubb	1.00			3916.00	
Recorder	0.00	6672	Inside	3916.00	
Perforations	21.00			3937.00	
Recorder	0.00	13254	Outside	3937.00	
Bullnose	3.00			3940.00	25.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Rons Oil Operations

Vahn # 15-1

1889 200th Ave
Penokee Ks 67659

15-5-29-Decatur-Ks

Job Ticket: 23421

DST#: 2

ATTN: Ron Nickelson

Test Start: 2005.10.24 @ 08:16:52

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 7.97 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	MCO 30%o 70%m	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

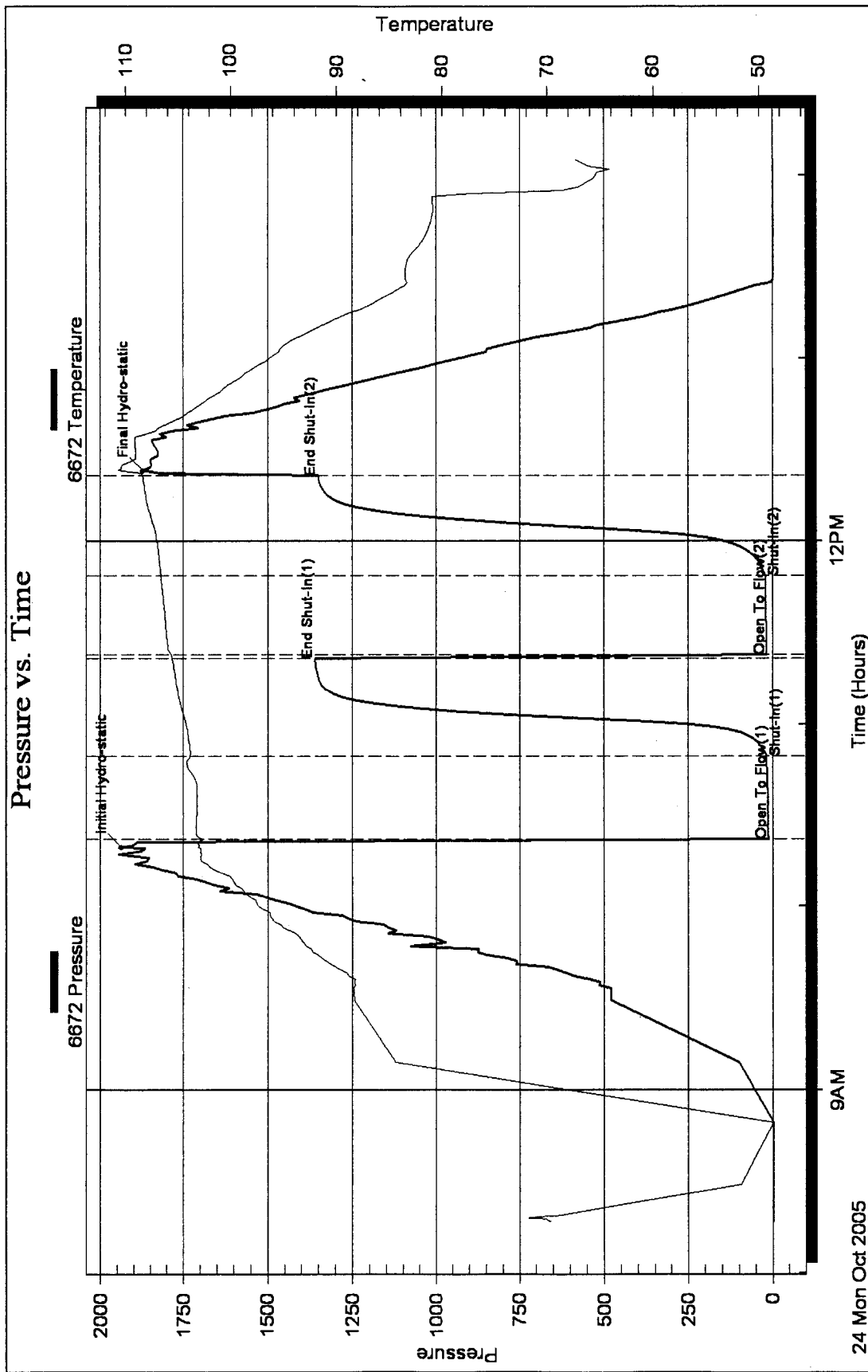
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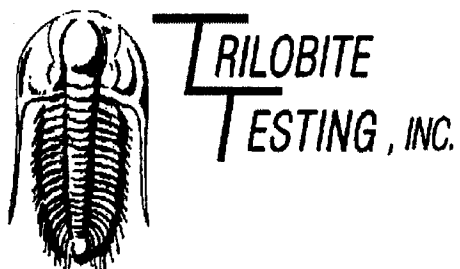
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Rons Oil Operations**

1889 200th Ave
Penokee Ks 67659

ATTN: Ron Nickelson

15-5-29-Decatur-Ks

Vahn # 15-1

Start Date: 2005.10.25 @ 02:14:24

End Date: 2005.10.25 @ 08:39:54

Job Ticket #: 23422 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Rons Oil Operations

1889 200th Ave
Penokee Ks 67659

ATTN: Ron Nickelson

Vahn # 15-1

15-5-29-Decatur-Ks

Job Ticket: 23422

DST#: 3

Test Start: 2005.10.25 @ 02:14:24

GENERAL INFORMATION:

Formation: J LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:23:24

Time Test Ended: 08:39:54

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: 3980.00 ft (KB) To 4018.00 ft (KB) (TVD)

Total Depth: 4018.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2752.00 ft (KB)

2747.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6672

Inside

Press@RunDepth: 25.39 psig @ 3981.00 ft (KB)

Start Date: 2005.10.25

End Date:

2005.10.25

Capacity: 7000.00 psig

Last Calib.: 2005.10.25

Start Time: 02:14:25

End Time:

08:39:54

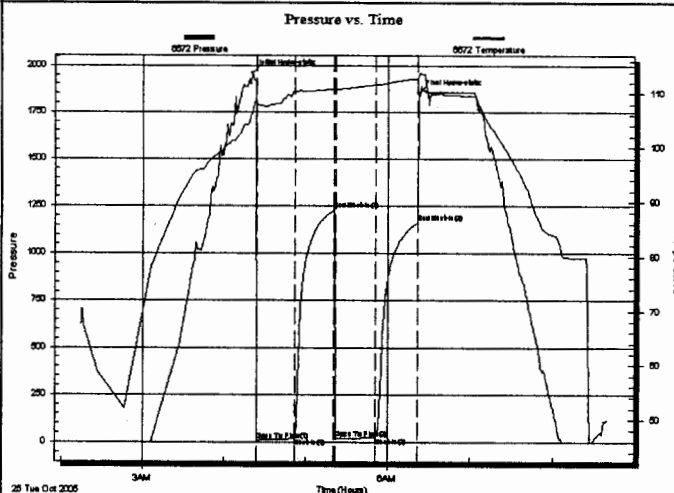
Time On Btm: 2005.10.25 @ 04:20:24

Time Off Btm: 2005.10.25 @ 06:21:54

TEST COMMENT: F-Weak steady surface blow

FF-No blow

Times-30-30-30-30



PRESSURE SUMMARY

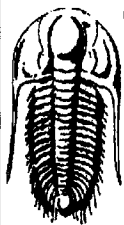
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1958.28	106.24	Initial Hydro-static
3	11.73	107.96	Open To Flow (1)
31	18.22	110.39	Shut-In(1)
60	1230.17	110.83	End Shut-In(1)
61	18.64	110.64	Open To Flow (2)
91	25.39	111.65	Shut-In(2)
121	1164.10	112.79	End Shut-In(2)
122	1852.91	113.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	DM	0.14

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Rons Oil Operations

Vahn # 15-1

1889 200th Ave
Penokee Ks 67659

15-5-29-Decatur-Ks

Job Ticket: 23422

DST#: 3

ATTN: Ron Nickelson

Test Start: 2005.10.25 @ 02:14:24

Tool Information

Drill Pipe:	Length:	3972.00 ft	Diameter:	3.80 inches	Volume:	55.72 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	45000.00 lb
					Total Volume:	55.72 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft						String Weight: Initial	40000.00 lb
Depth to Top Packer:	3980.00 ft						Final	40000.00 lb
Depth to Bottom Packer:	ft							
Interval between Packers:	38.00 ft							
Tool Length:	59.00 ft							
Number of Packers:	2	Diameter:	6.75 inches					
Tool Comments:								

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3960.00	
Shut In Tool	5.00			3965.00	
Hydraulic tool	5.00			3970.00	
Packer	5.00			3975.00	21.00 Bottom Of Top Packer
Packer	5.00			3980.00	
Stubb	1.00			3981.00	
Recorder	0.00	6672	Inside	3981.00	
Perforations	34.00			4015.00	
Recorder	0.00	13254	Outside	4015.00	
Bullnose	3.00			4018.00	38.00 Bottom Packers & Anchor
Total Tool Length:	59.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Rons Oil Operations

Vahn # 15-1

1889 200th Ave
Penokee Ks 67659

15-5-29-Decatur-Ks

Job Ticket: 23422

DST#: 3

ATTN: Ron Nickelson

Test Start: 2005.10.25 @ 02:14:24

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	DM	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

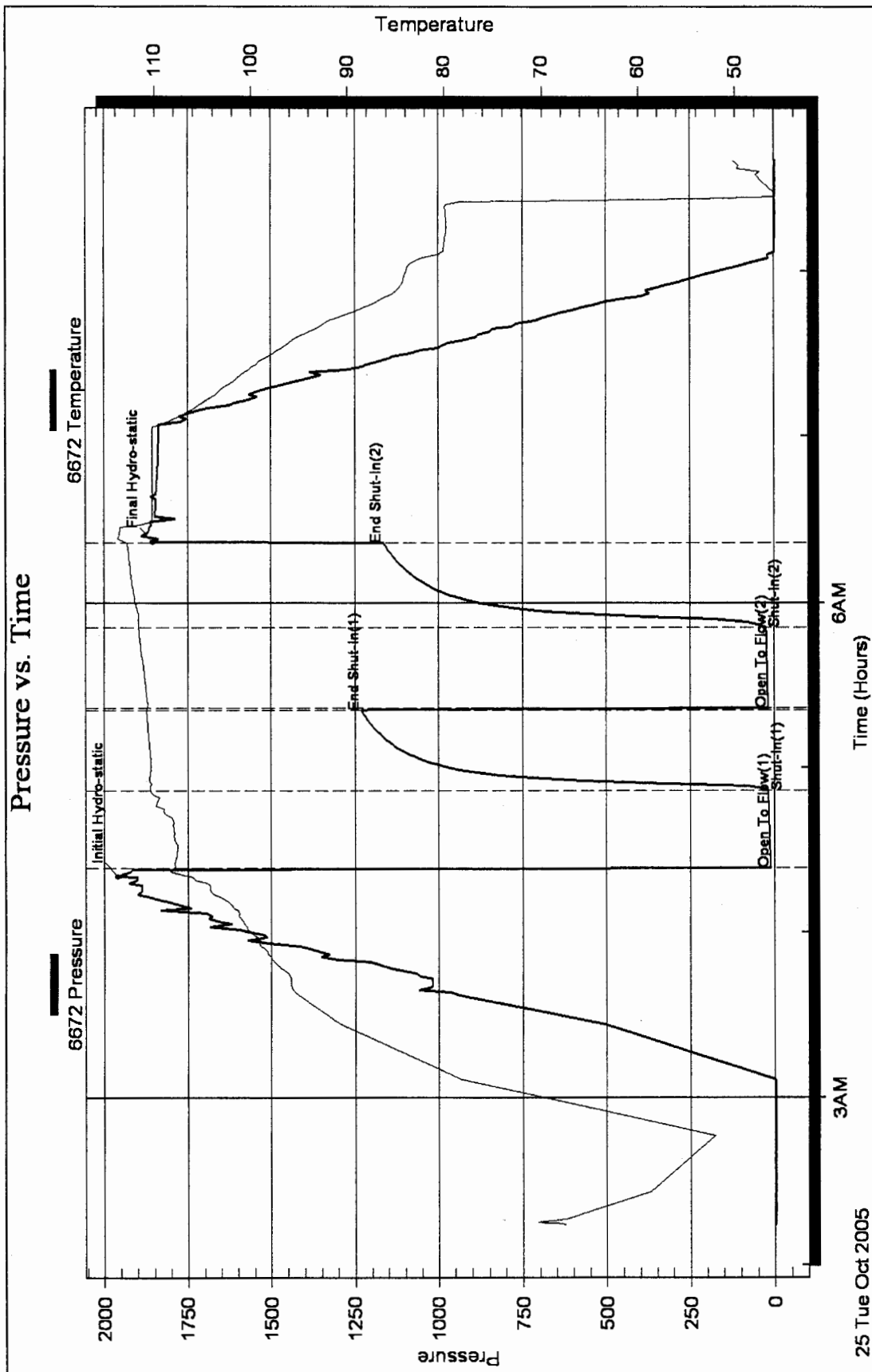
Serial #:

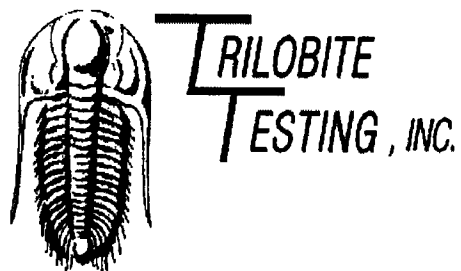
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Rons Oil Operations**

1889 200th Ave
Penokee Ks 67659

ATTN: Ron Nickelson

15-5-29-Decatur-Ks

Vahn # 15-1

Start Date: 2005.10.25 @ 16:23:47

End Date: 2005.10.25 @ 23:44:47

Job Ticket #: 23423 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Rons Oil Operations

1889 200th Ave
Penokee Ks 67659

ATTN: Ron Nickelson

Vahn # 15-1

15-5-29-Decatur-Ks

Job Ticket: 23423

DST#: 4

Test Start: 2005.10.25 @ 16:23:47

GENERAL INFORMATION:

Formation: **K LKC**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 18:05:17

Time Test Ended: 23:44:47

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **21**

Interval: **4016.00 ft (KB) To 4043.00 ft (KB) (TVD)**

Total Depth: **4043.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2752.00 ft (KB)**

2747.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6672

Inside

Press@RunDepth: **204.23 psig @ 4017.00 ft (KB)**

Start Date: **2005.10.25**

End Date:

2005.10.25

Capacity: **7000.00 psig**

Last Calib.: **2005.10.25**

Start Time: **16:23:48**

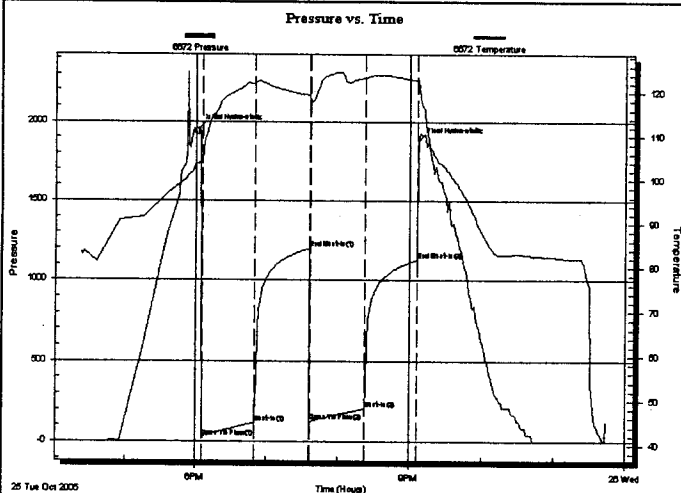
End Time:

23:44:47

Time On Btm: **2005.10.25 @ 18:02:47**

Time Off Btm: **2005.10.25 @ 21:07:17**

TEST COMMENT: IF-Strong B-B in 6 min
IS-Weak building to 1 1/2"
FF-Strong B-B in 8 min
FS-Weak building to 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1955.00	103.88	Initial Hydro-static
3	23.52	103.78	Open To Flow (1)
47	116.64	122.05	Shut-In(1)
93	1197.96	119.44	End Shut-In(1)
94	124.28	118.42	Open To Flow (2)
140	204.23	123.30	Shut-In(2)
184	1128.20	122.78	End Shut-In(2)
185	1879.30	122.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
558.00	CGsyO 10%g 90%o	7.83
0.00	745 GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Rons Oil Operations

Vahn # 15-1

1889 200th Ave
Penokee Ks 67659

15-5-29-Decatur-Ks

Job Ticket: 23423

DST#: 4

ATTN: Ron Nickelson

Test Start: 2005.10.25 @ 16:23:47

Tool Information

Drill Pipe:	Length: 4003.00 ft	Diameter: 3.80 inches	Volume: 56.15 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume: 56.15 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	4016.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3996.00	
Shut In Tool	5.00			4001.00	
Hydraulic tool	5.00			4006.00	
Packer	5.00			4011.00	21.00 Bottom Of Top Packer
Packer	5.00			4016.00	
Stubb	1.00			4017.00	
Recorder	0.00	6672	Inside	4017.00	
Perforations	23.00			4040.00	
Recorder	0.00	13254	Outside	4040.00	
Bullnose	3.00			4043.00	27.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Rons Oil Operations

Vahn # 15-1

1889 200th Ave
Penokee Ks 67659

15-5-29-Decatur-Ks

Job Ticket: 23423

DST#: 4

ATTN: Ron Nickelson

Test Start: 2005.10.25 @ 16:23:47

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
558.00	CGsyO 10%g 90%o	7.827
0.00	745 GP	0.000

Total Length: 558.00 ft

Total Volume: 7.827 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

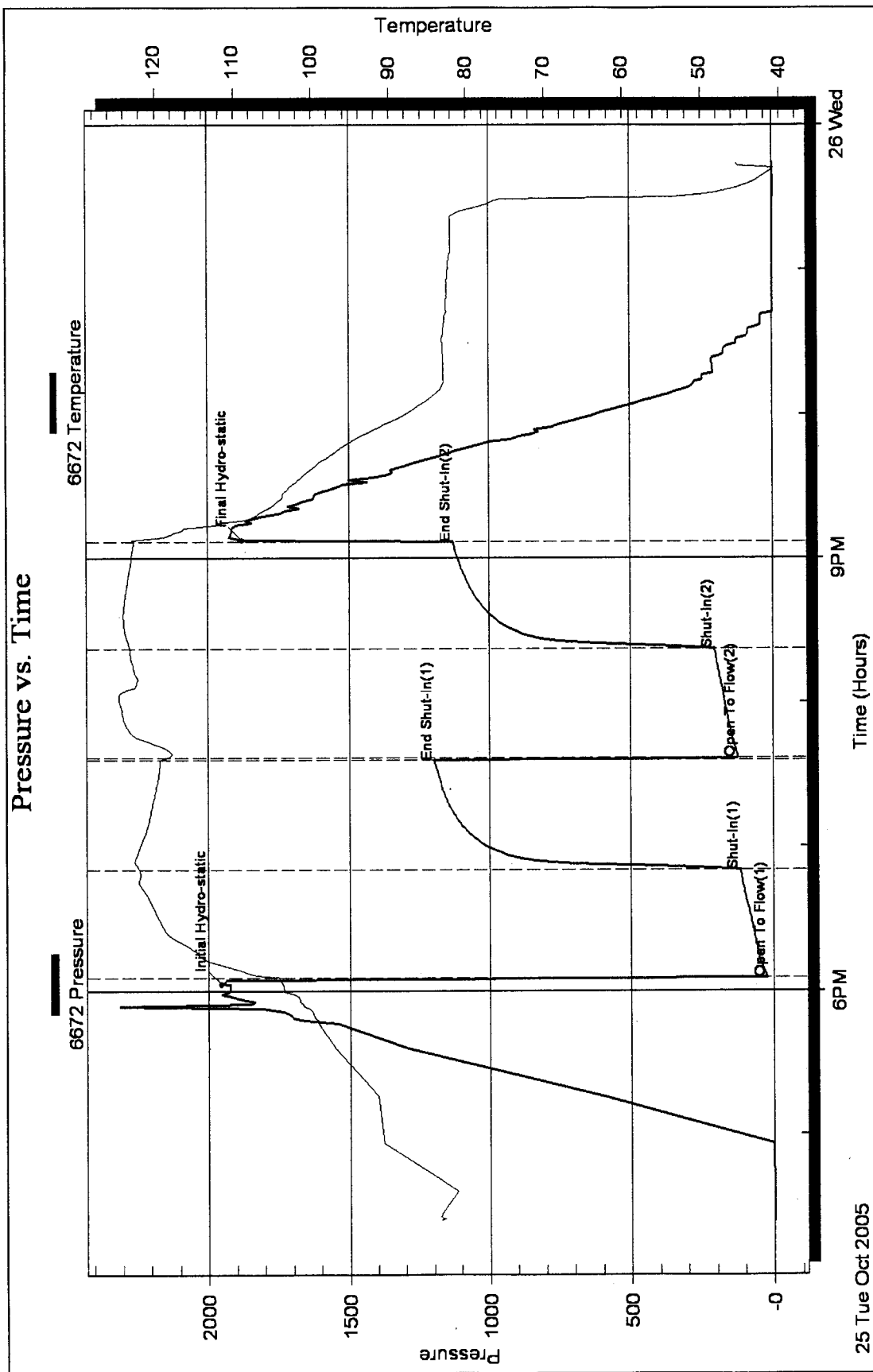


CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

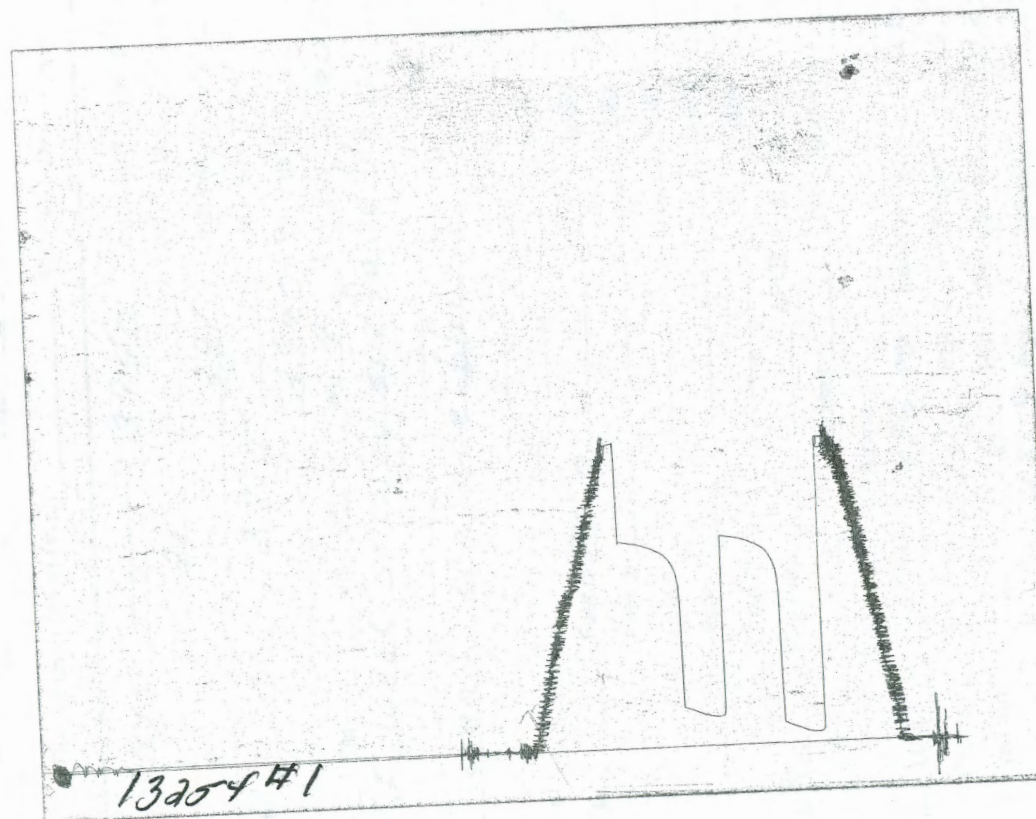
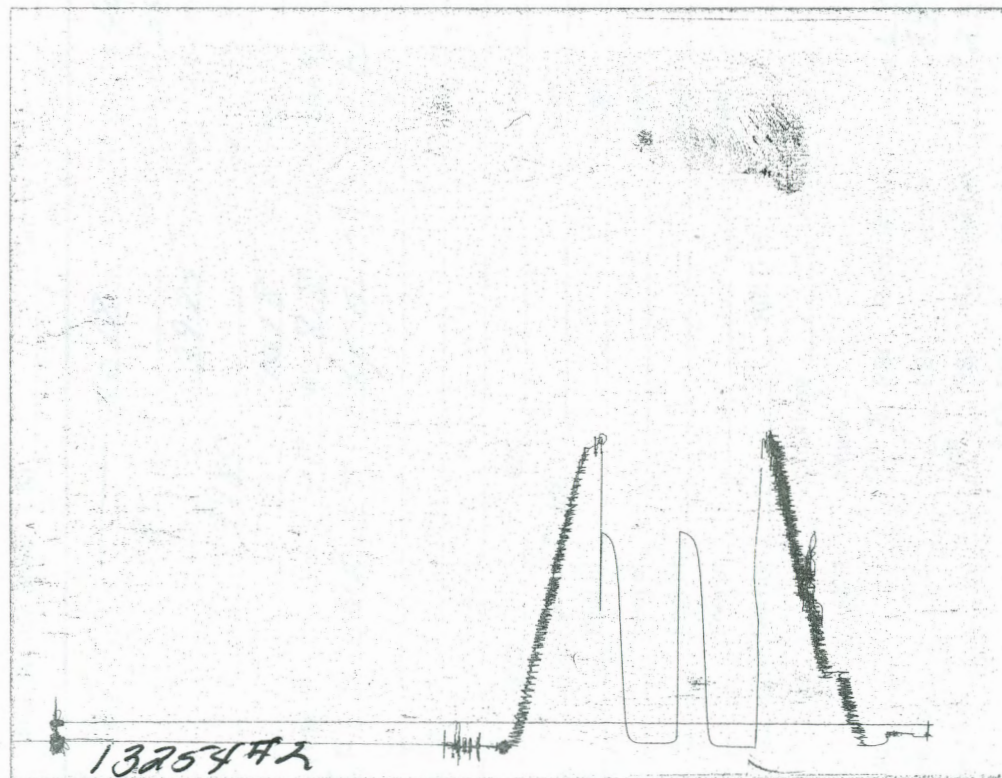


CHART PAGE

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Test Ticker

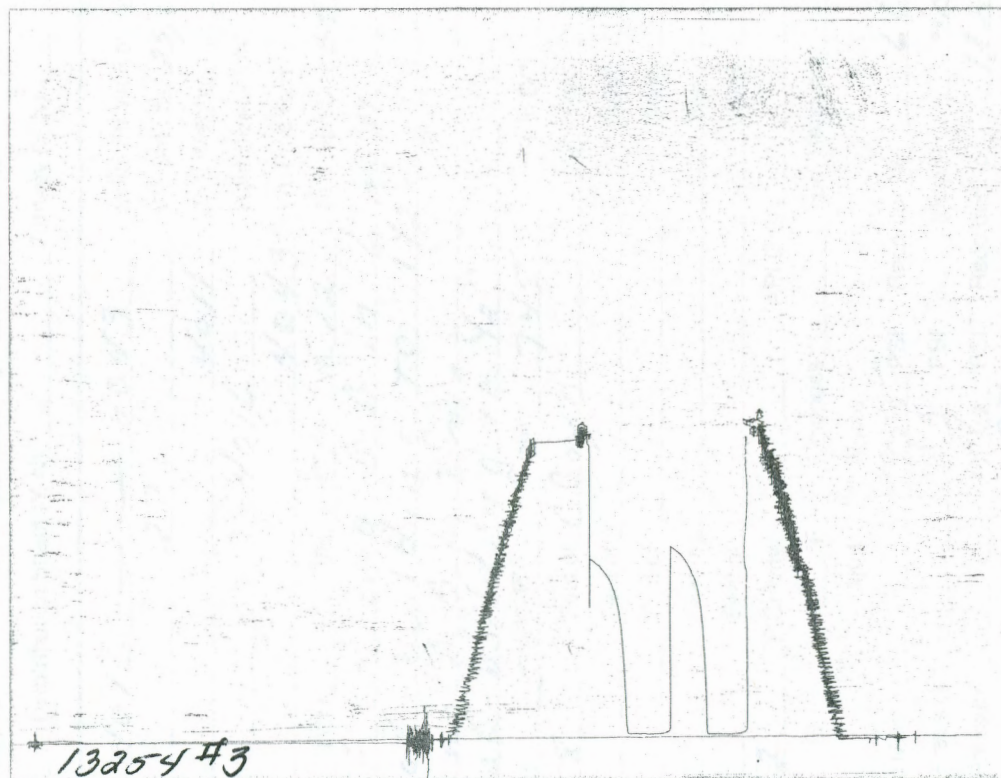


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